

STATE

INDUSTRIES OF THE FUTURE



SUCCESS STORY

IDAHO

SEP SPECIAL PROJECTS GRANT
FY 2000 - \$200,000

FOCUS INDUSTRIES

Agriculture

Forest Products

Mining

PARTICIPATING ORGANIZATIONS

Idaho State Energy Division

Idaho Crop Production
Association

Idaho Wheat Growers
Commission

Inter Mountain Forest
Industry Association

Idaho Mining Association

Northwest Mining
Association

Northwest Food Processors
Association

Idaho National
Environmental and
Engineering Lab

University of Idaho -
Colleges of Mines,
Forestry, and Agriculture

IMPLEMENTING INDUSTRIES OF THE FUTURE IN IDAHO

The Office of Energy Efficiency and Renewable Energy's Industrial Technologies program is working with the State of Idaho and industry partners to expand the Idaho State Industries of the Future (IOF). The goal of the initiative is to improve the energy efficiency and competitiveness of key industries in Idaho, including agriculture, forest products, and mining. Together, these industries employ nearly 70,000 people in the state and ship more than \$6.6 billion in products a year.

STRATEGY

The Idaho IOF has been successful due to the enthusiastic backing of the Governor as well as key state commissioners, university officials, and industry executives. Notably, in 2000, Idaho Governor Dirk Kempthorne became the nation's first governor to sign a Memorandum of Understanding (MOU) with the Industrial Technologies program. The MOU signifies a commitment to the Industries of the Future in Idaho.

INDUSTRIES OF THE FUTURE IN IDAHO

INDUSTRIES	EMPLOYEES	WAGES (\$1,000)	VALUE OF SHIPMENTS (\$1,000)
AGRICULTURE	55,993	492,744	3,733,213
ALUMINUM	N/A	N/A	N/A
CHEMICAL	2,300	105,622	933,000
FOREST PRODUCTS	10,898	346,132	2,584,899
GLASS	N/A	N/A	N/A
METAL CASTING	N/A	N/A	N/A
MINING	3,372	101,960	400,490
PETROLEUM	N/A	N/A	N/A
STEEL	N/A	N/A	N/A

PROJECTS/ACHIEVEMENTS

Idaho has used its Special Projects grant and associated state funds to develop its IOF. The State IOF has completed the following activities:

- Published the Idaho Forest Industry Strategic Technology Development Plan in May 2001.
- Conducted the Idaho Industrial Summit on November 13, 2001, with participation from the Idaho Lieutenant Governor, representatives of the Idaho Congressional Delegation, leaders from the agricultural, forest, and mining industries, the Idaho Department of Agriculture, University of Idaho College of Mines, and Idaho National Engineering and Environmental Laboratory. The Summit included a mini-expo with IOF project demonstrations.
- Created State Innovation in Industry Awards and arranged for their presentation by Denise Swink, Industrial Technologies program, and Robert Hoppie, representing the Governor of Idaho.
- Organized a meeting in Twin Falls in December 2001 to demonstrate a working pilot plant of the acid recovery phase of a biorefinery – a major Agriculture IOF project. The project was demonstrated to representatives of three ethanol projects in Idaho and staff from Senator Crapo's office.
- Organized and hosted two BestPractices workshops on pump efficiency in partnership with the Idaho Mining Association and Northwest Mining Association on June 12 and 14, 2001 in Couer d'Alene and Pocatello.

LEVERAGING OPPORTUNITIES

In addition to the activities funded through the SEP Special Projects grant, a number of activities/funding/relationships have emerged as a result of the State IOF. Specifically, the State Energy Division has expanded its working relationships with INEEL, the University of Idaho, and Idaho industry in all three sectors. Additional examples of leveraging include:

Agriculture –

- The State Energy Division worked with the University of Idaho College of Agriculture, the Idaho Food Producers Commission, and the Ad Hoc Committee to integrate the Industries of the Future strategy into the Ag Initiative 2001, a legislative effort to create a state research grant agency for agriculture. This initiative failed to pass, but helped forge working relationships for future efforts.
- The Energy Division's work with Amalgamated Research, Inc. has lead to relationships with the Northwest Food Processors Association and the formation of a food processing IOF.

Mining –

During preparation of a case study at the Hecla Lucky Friday mine in North Idaho for the BestPractices Pump System Efficiency workshops, the BestPractices course instructor was shown a defunct generator that was installed to generate power from the cooling water as it fell from the surface thousands of feet into the mine. The instructor coordinated with specialists from the Industrial program's Best Practices Team and Oak Ridge National Laboratory to assist in evaluating the generator. With the knowledge gained, Hecla restarted the generator and is now selling the power to Avista.

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

Chris Cockrill
U.S. Department of Energy
Seattle Regional Office
Phone: (816) 873-3299
chris.cockrill@ee.doe.gov

Ken Eklund
Idaho Department of Water Resources
1301 North Orchard Street
Boise, ID 83706
Phone: (208) 327-7974
Fax: (208) 327-7866
keklund@idwr.state.id.us

Please call the IOF Clearinghouse at
1-800-862-2086

Visit our home page at
www.oit.doe.gov/states

Industrial Technologies Program
Energy Efficiency
and Renewable Energy
U.S. Department of Energy
Washington, D.C. 20585

March 2002